8.19.

[illegible] ಸಾರ್ವಜನಿಕ. [illegible]

018 [illegible]

01 [illegible] 4975.00 [illegible]

[illegible]

[illegible signature] 7/12

ecutive Engineer
rayanapura Division
anka Zone, B.B.M.P.
angalore-560092

[initials] 07/12/18.

I st and Final Bill — Work code. 006-17-000036

M. A. R. 57 (Rule 116) Est cost Rs. 40.00 Lakh.

Measurement Book

No. B 497401

Serial No. Improvements & Drains and construction of Culverts

Name of Work in Hegadenagara Eastern From To 2nd Main and Both side

Name of Contractor of nature of Agency Cross Roads in Ward no. 06 Byatarayanapura

Date of commencement of work Sub division.

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Work order No. - BBMP/EE/BTP/WO/40/2017-18.						
	Name of Contractor - Executive Engineer (CRIDL) 280, 59th Cross Road, 17th C Main Road Rajajinagar, Bangalore - 560010						
	(1) Earth work Excavation by manual means in hard soil soil in rocky an average horizontal throw upto 2 mts and an average lift up to 0.00 Mtr excavated surface level						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	and sides neatly dressed and disposed earth to be leveled neatly as per drawing & leads confirmed as per Specification.						
	As per Pre-Measurement recorded vide Page No.: 497460 to 497461 in this MB.						
	Rate. 86:92					59.08 M	5135:23
	Earthwork excavation by manual means in hard soil soil involving an average horizontal throw up to 2 meters and an average lift up to 0.30 m excavation						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency ....
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	Surface leveled earth to be level as per Specification.
	As per Pre-M
	Page No. 497
	Rate. 86:92
(13)	Removing BS

Contents 7	Reference to last Measurement 8
disposed earth to be	
loads compressed	
recorded vide	
in this MB.	
59.08 M	3
	5135 : 23
usual means in hard	
horizontal thereof	
up to 0.30 m	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 497402

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	Surface leveled and sides neatly dressed the disposed earth to be leveled neatly after breaking of clods compressed as per specification.						
	As per Pre-measurements recorded vide Page No. 497462 to 497465 in this MB.						
	Rate. 86 : 92					294.63 M	3
							25609 : 23
(13)	Removing BS slab of drain and stacking ete...						

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	complete as per specification and direction of the Engineer in charge of the work. As per pre-measurement recorded vide page no. 497465 to 497467 in this MB.					557.04 M2	37722.74 (corrected: 36609)
	Rate. 67.72 (corrected: 65.72)						
(4)	Refixing stone slabs & drain and pointing in CM 1:3 etc. complete as per specification. Qty vide item no. (3)					557.04 m2	44875.14
	Rate. 80.56						

Serial No. ....

Name of Work ....

Name of Contractor of nature of Agency ...

Date of commencement of work ....

Date 1	Full description, etc, of work 2
(5)	Providing st… dressed and … curing etc. co… As per … 497465 …
	Rate. 665.68
(6)	Providing and … & mix …

ok

Depth 6	Contents 7	Reference to last Measurement 8
	ion and direction e work.	
ug	recorded vide	
in	Rig MB.	
	557.04 M²	36609 - 37722.14
	and ponding in CM 1:3	
	557.04 M²	44875.14

M. A. R. 57 (Rule 116)
Measurement Book

No. B 497403

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
(5)	Providing Stone slabs of selected Kadapa Rough dressed and fixed in cement Mortar 1:6 including grout Curing etc., complete as per specification. As per Pre. Measurement recorded vide Page no. 497465 to 497467. 3(a) in Rig MB Page. 665:68					139.26 M²	92702:59
(6)	Providing and laying in position Plain cement concrete 8 Mix M 1:4:8 with OPC cement at 180 kg/m³ with 40 mm						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	and down size graded granite metal coarse aggregate as 0.892 Cum and fine aggregate as 0.45 cum machine mixed Canvese laid in layers not exceeding 15 cms thick were compacted in foundations and plinth including cost & materials taken away complete as per specification. As per Pre-measurements recorded vide Page No. 497467 to 497470 in this M.B. Page 51159:02	up to 12% Avg.			67.02 m^3 65.21 m^3	336419:69	

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work
1	2
(7)	Above 12% Page 51159:02 Providing and Stone Masonry Stone hammered with sand Stone cost & materials

BOOK

…ns		Contents	Reference to last Measurement
…eadth 5	Depth 6	7	8

…vanure metal coarse …d fine aggregate of … in laying … in foundation and plinth labour curing complete

…as recorded vide …170 in orig M.B.

		67.02 M^3	
…Qty.		65.21 M^3	336419=69

M. A. R. 57 (Rule 116)
Measurement Book

No. B 497404

Serial No. ....

Name of Work .... From.................................. To......................................

Name of Contractor of nature of Agency ....

Date of commencement of work ....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Above 120 %	Qty				1.81 M^3	9337=82
	Rate: 5159=02						
	(7) Providing and constructing granite/trap/basalt size stone masonry in foundation with cement mortar 1:6 stone hammered dressed in coarse not less than 20cm with bond stones at 2.0 mtr apart in each course including cost of materials labour curing complete as per						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Specification and Direction of the Engineer in charge of the work.						
	As per Pre-measurements recorded vide Page No. 497470 to 497471 (in this MB.					56.16 m³	
	Page. 4438 : 22						
(8)	Providing and Constructing Granite/Brick/Laterite stone Masonry in basement with cement mortar 1:6 edges of stones should dressed in courses not less than 10 cms thick and stones						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency ....
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	as 2.0 mtr apart measuring etc... Courses 2nd Main I st cross (1) 2nd cross (2) 3rd cross (3) 4th cross (4) 5th cross (5)

OK

Depth 6	Contents 7	Reference to last Measurement 8
m	of the	Engineer
ns	recorded vide	
in	this MB.	
	56.16	m3
		249200 : 43
rse	bed	bases
ing	with dense	
sse	dressed in	
nm	sand stones	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 497405

Serial No. ....
Name of Work .... From.............................. To....................................
Name of Contractor of nature of Agency ....
Date of commencement of work ....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	as 2.0 mm apart in each course including all & measuring etc.. complete as per specification.						
	Culverts 2nd Main I st crad (1)	2	7.50	0.50	0.45	3.37	
	2nd crad (2)	2	7.90	0.50	0.45	3.55	
	3rd crad (3)	2	7.40	0.50	0.45	3.33	
	4th crad (4)	2	7.20	0.50	0.45	3.24	
	5th crad (5)	2	7.25	0.50	0.45	3.26	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	3rd Main I cross (6)	2	7.10	0.80	0.45	3.19	
	2nd cross (7)	2	7.00	0.80	0.45	3.15	
	3rd cross (8)	2	6.95	0.80	0.45	3.12	
	5th cross (9)	2	7.10	0.80	0.45	3.19	
	6th cross (10)	2	6.90	0.80	0.45	3.10	
	7th cross (11)	2	6.95	0.80	0.45	3.12	
	8th cross (12)	2	7.05	0.80	0.45	3.17	
	I sh Main L-Side 5th cross (13)	2	6.90	0.80	0.45	3.10	

Serial No. .....
Name of Work .....
Name of Contractor of natu
Date of commencement of

Date	Full description,
1	2
	8th cro
	9th cro
	Page - 5
(9)	Providing
	Propping e
	and Sorro

Depth 6	Contents 7	Reference to last Measurement 8
0.45	3.19	
0.45	3.15	
0.45	3.12	
0.45	3.19	
0.45	3.10	
0.45	3.12	
0.45	3.17	
0.45	3.10	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 497406

Serial No. .... From............................... To.......................................

Name of Work ....

Name of Contractor of nature of Agency ....

Date of commencement of work ....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	8th cross (14)	2	5.60	0.50	0.45	3.42	
	9th cross (15)	2	5.20	0.50	0.45	2.34	
						46.70 M³	248022.77
	Rate . 5305:30		[illegible signature]				
	(9) Providing and removing centering shuttering strutting propping etc.--and removal of form work for sides and soffits of beams beam haunches cantilever girders						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	bressumers and lintels not exceeding 1.00m in depth including cost of materials ex-concrete as per specification.						
	As per pre-measurement recorded vide page No. 497472 to 497474 in this M.B.					122.38 M2	33209
	Rate. 271.36						3320903.68
(10)	Providing and laying in position plain cement concrete & mix 1:3:6 with OPC cement of 22 days with 20mm and down size graded						

Serial No. ....

Name of Work ....

Name of Contractor of nature of Agency ....

Date of commencement of work ....

Date	Full description, etc, of work	Nu
1	2	
	Coarse aggregate of 0.86mm ... not exceeding 15.0 ... and plinth including ... Culverts coping (1) (2) (3) (4)	

Contents 7	Reference to last Measurement 8
...ing work in ... etc. complete	
recorded vide this MB.	
122.38 M2	333209 / 332903.68
...than plain cement ... cement of 22 days ... ...ed ... work	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 497407

Serial No. ....
Name of Work .... From.................................. To..................................
Name of Contractor of nature of Agency ....
Date of commencement of work ....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Coarse aggregate of 0.84 cum and fine aggregate of 0.86 cum machine mixed concrete laid in layers not exceeding 15.00 cm thick well compacted in foundation and plinth including cost of materials etc. complete.						
	Culverts						
	coping ①	2	7.50	0.50	0.15	1.12	
	②	2	7.90	0.50	0.15	1.18	
	③	2	7.40	0.50	0.15	1.11	
	④	2	7.20	0.50	0.15	1.08	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	(5)	2	7.25	0.50	0.15	1.08	
	(6)	2	7.10	0.50	0.15	1.06	
	(7)	2	7.00	0.50	0.15	1.05	
	(8)	2	6.95	0.50	0.15	1.04	
	(9)	2	7.10	0.50	0.15	1.06	
	(10)	2	6.90	0.50	0.15	1.03	
	(11)	2	6.95	0.50	0.15	1.04	
	(12)	2	7.05	0.50	0.15	1.05	
	(13)	2	6.90	0.50	0.15	1.03	
	(14)	2	5.60	0.50	0.15	0.84	

Serial No. .....
Name of Work .....
Name of Contractor of nature of Age
Date of commencement of work .....

Date	Full description, etc, of wo
1	2
	(4)
	Vent Concre

pth 6	Contents 7	Reference to last Measurement 8
0.15	1.08	
0.15	1.06	
0.15	1.05	
0.15	1.04	
0.15	1.06	
0.15	1.03	
0.15	1.04	
0.15	1.05	
0.15	1.03	
0.15	0.84	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

497408

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	(18)	2	5.20	0.50	0.15	0.78	
	Vent Concrete.						
	(1)	1	7.60	0.60	0.15	0.68	
	(2)	1	7.90	0.60	0.15	0.71	
	(3)	1	7.40	0.60	0.15	0.66	
	(4)	1	7.20	0.60	0.15	0.64	
	(5)	1	7.25	0.60	0.15	0.65	
	(6)	1	7.10	0.60	0.15	0.63	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	(7)	1	7.00	0.60	0.15	0.63	
	(8)	1	6.95	0.60	0.15	0.62	
	(9)	1	7.00	0.60	0.15	0.63	
	(10)	1	6.90	0.60	0.15	0.62	
	(11)	1	6.95	0.60	0.15	0.62	
	(12)	1	7.05	0.60	0.15	0.63	
	(13)	1	6.90	0.60	0.15	0.62	
	(14)	1	5.60	0.60	0.15	0.50	
	(15)	1	5.20	0.60	0.15	0.46	

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	For Flaging Cow 2nd main L.Side

OOK

th	Depth 6	Contents 7	Reference to last Measurement 8
60	0.15	0.63	
60	0.15	0.62	
60	0.15	0.63	
60	0.15	0.62	
60	0.15	0.62	
60	0.15	0.63	
60	0.15	0.62	
60	0.15	0.50	
60	0.15	0.46	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 497409

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	For Flaging Course.						
	2nd main C. Side	2	30.00	0.20	0.15	1.80	
		2	2.60	0.20	0.15	0.15	
		2	30.00	0.20	0.15	1.80	
		2	2.00	0.20	0.15	0.12	
		2	30.00	0.20	0.15	1.80	
		2	2.30	0.20	0.15	0.13	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	R-Side.	2	30.00	0.20	0.15	1.80	
		2	0.50	0.20	0.15	0.03	
		2	30.00	0.20	0.15	1.80	
		2	1.80	0.20	0.15	0.10	
		2	30.00	0.20	0.15	1.80	
		2	3.00	0.20	0.15	0.18	
		2	30.00	0.20	0.15	1.80	
		2	30.00	0.20	0.15	1.80	
		2	2.40	0.20	0.15	0.14	
		2	30.00	0.20	0.15	1.80	

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency ..
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	I st Main Balance (L.S. 20)

ENT BOOK

Dimensions			Contents	Reference to last Measurement
gth 4	Breadth 5	Depth 6	7	8
.00	0.20	0.15	1.80	
30	0.20	0.15	0.03	
.00	0.20	0.15	1.80	
80	0.20	0.15	0.10	
.00	0.20	0.15	1.80	
.00	0.20	0.15	0.18	
.00	0.20	0.15	1.80	
.00	0.20	0.15	1.80	
.40	0.20	0.15	0.14	
.00	0.20	0.15	1.80	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

497410

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	I st Main Balance (L.S. @ dd)	2	30.00	0.20	0.15	1.80	
		2	13.50	0.20	0.15	0.81	
		2	16.00	0.20	0.15	0.96	
		2	30.00	0.20	0.15	1.80	
		2	4.00	0.20	0.15	0.24	
		2	22.50	0.20	0.15	1.35	
		2	15.00	0.20	0.15	0.93	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	R-Side	2	7.00	0.20	0.18	1.05	
	C/F C 29.95 m³ 7/12/2019					50.79 m³	
	upto 12.5%		Limited to any			50.28 m³	
	Rate · 5598 : 92					42.88 m³	238234 : 4
	Above 12.5%		Any			7.73 m³	
	Rate · 5598 : 92						43279 : 65

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency ...
Date of commencement of work .....

Date	Full description, etc, of work
1	2
(11)	Providing [illegible] with cement mor[illegible] to depth & 20m[illegible] Cofour curing [illegible] corners. (c) (2) (3)

OOK

Depth 6	Contents 7	Reference to last Measurement 8
0.18	1.05	
	50.79 m³	
to	50.28 m³	
	42.88 m³	238234 =
	7.73 m³	
		43279 : 65

M. A. R. 57 (Rule 116)
Measurement Book

No. B

497411

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
(11)	Providing flush pointing to coursed Stone Masonry with cement mortar 1:3 20 mm deep after raking joints to depth & 20 mm nicely lining including cost & conveyance of all materials complete as per specification.						
	(1)	2	7.90	-	0.50	7.90	
	(2)	2	7.90	-	0.50	7.90	
	(3)	2	7.40	-	0.50	7.40	

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	(4)	2	7.20	-	0.50	7.20	
	(5)	2	7.25	-	0.50	7.25	
	(6)	2	7.10	-	0.50	7.10	
	(7)	2	7.00	-	0.50	7.00	
	(8)	2	6.95	-	0.50	6.95	
	(9)	2	7.10	-	0.50	7.10	
	(10)	2	6.90	-	0.50	6.90	
	(11)	2	6.95	-	0.50	6.95	
	(12)	2	7.05	-	0.50	7.05	

M. A. F

Meas

Serial No. ....

Name of Work .... From...

Name of Contractor of nature of Agency ....

Date of commencement of work ....

Date 1	Full description, etc, of work 2	Number 3
	(13)	2
	(14)	2
	(15)	2
	Page. 102:82	
	(12) Providing and laying ... & Mix M20. with ope... and down size grad...	

BOOK

ns		Contents	Reference to last Measurement
eadth 5	Depth 6	7	8
	0.30	7.20	
	0.30	7.25	
	0.30	7.10	
	0.30	7.00	
	0.30	6.95	
	0.30	7.10	
	0.30	6.90	
	0.30	6.95	
	0.30	7.05	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 497412

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	(13)	2	6.90	1	0.30	6.90	
	(14)	2	5.60	-	0.30	5.60	
	(15)	2	5.20	-	0.30	5.20	
						104.00 m²	
	Page: 102:82						10693:28
	(12) Providing and laying in position Plain cement concrete 1:2:4 Mix M20 with OPC cement of 320 kg with 20mm and down size graded granite metal coarse aggregate						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	of 0.878 cum and fine aggregate of 0.459 cum con Super plasticiser of 3 kg conforming to IS 9103-1999 performed measurement mixed proceeding using slump cone for all works in foundation plinth and ground sum level for roof slab staircase lintels including hire curing etc.. complete as per specification.						
	RCC Duct						
	(1)	1	7.60	1.80	0.23	3.14	
	(2)	1	7.90	1.65	0.23	2.99	
	(3)	1	7.40	1.80	0.23	3.06	

M

Serial No. ....

Name of Work ....

Name of Contractor of nature of Agency ....

Date of commencement of work ....

Date	Full description, etc, of work	Num
1	2	3
	(4)	1
	(5)	1
	(6)	1
	(7)	1
	(8)	1
	(9)	1
	(10)	1

BOOK

...ns				
...eadth 5	Depth 6	Contents 7	Reference to last Measurement 8
...ease ag ... ...ming to IS 9103-1999 ...eding ... ... plush and grand ... case ... ...er ...			
.80	0.23	3.14	
.65	0.23	2.99	
.80	0.23	3.06	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 497413

Serial No. ....
Name of Work .... From.................... To....................
Name of Contractor of nature of Agency ....
Date of commencement of work ....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	(4)	1	7.20	1.80	0.23	2.98	
	(5)	1	7.25	1.80	0.23	3.00	
	(6)	1	7.10	1.75	0.23	2.85	
	(7)	1	7.00	1.65	0.23	2.65	
	(8)	1	6.95	1.65	0.23	2.63	
	(9)	1	7.10	1.65	0.23	2.69	
	(10)	1	6.90	1.65	0.23	2.61	

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	(11)	1	6.95	1.65	0.23	2.63	
	(12)	1	7.05	1.50	0.23	2.43	
	(13)	1	6.90	1.50	0.23	2.38	
	(14)	1	5.60	1.00	0.23	1.93	
	(15)	1	5.20	1.00	0.23	1.79	
						39.96 M^3	
			Limited to			39.47 M^3	
	Rate. 6371:66						251489:42

Serial No. ....
Name of Work ....
Name of Contractor of nature of Agency ....
Date of commencement of work ....

Date 1	Full description, etc, of work 2
	(13) Providing [illegible] including [illegible] in position [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] -cation etc.. [illegible] As per [illegible] Page no. [illegible]
Rate. 59413:00	

OOK

Depth 6	Contents 7	Reference to last Measurement 8
0.23	2.63	
0.23	2.43	
0.23	2.38	
0.23	1.93	
0.23	1.79	
	39.96 M^3	
	39.47 M^3	
		251489:42

M. A. R. 57 (Rule 116)
Measurement Book

No. B 497414

Serial No. ....
Name of Work .... From.............................. To..................................
Name of Contractor of nature of Agency ....
Date of commencement of work ....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
(13)	Providing TMT steel reinforcement for RCC work including straightening cutting bending hooking placing in position lapping and or welding wherever required tying with binding wire and anchoring to the adjoining members wherever necessary complete as per specification etc.. complete. As per pre-measurement recorded vide page no. 497474 to 497478 in this MB					3.75 Ton	222798:75
Rate.	59413:00						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(1W)	Providing and Conservesing Precast Concrete Solid blocks with compressive strength not less than 3 N/mm² in 1:4 cement mortar 1:4 masonry with Solid Concrete blocks of size 40 x 20 x 20 cms Conforming Code & Norms Labour Charges etc. Complete as per Specifications.						
	2nd Main L-side.	2	30.00	-	0.40	24.00	
		2	2.60	-	0.40	2.08	
		2	30.00	-	0.40	24.00	
		2	2.00	-	0.40	1.60	
		2	30.00	-	0.40	24.00	
		2	2.30	-	0.40	1.84	

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency ..
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	R.S.de.

K

Depth 6	Contents 7	Reference to last Measurement 8
...cast Concrete Solid not less than 35 kg/sq with sand Concrete forming coat of normal per specifications.		
0.40	24.00	
0.40	2.08	
0.40	24.00	
0.40	1.60	
0.40	24.00	
0.40	1.84	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 497415

Serial No. ....
Name of Work .... From.................................. To......................................
Name of Contractor of nature of Agency ....
Date of commencement of work ....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
		2	30.00	-	0.40	24.00	
		2	0.50	-	0.40	0.40	
		2	30.00	-	0.40	24.00	
		2	1.80	-	0.40	1.44	
	R. Side.	2	30.00	-	0.40	24.00	
		2	3.00	-	0.40	2.40	
		2	30.00	-	0.40	24.00	
		2	30.00	-	0.40	24.00	
		2	2.40	-	0.40	1.92	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		2	30.00	-	0.40	24.00	
		2	30.00	-	0.40	24.00	
	I st Main Balance L-side.						
		2	13.00	-	0.40	10.80	
		2	16.00	-	0.40	12.80	
		2	30.00	-	0.40	24.00	
		2	4.00	-	0.40	3.20	
		2	22.00	-	0.40	18.00	
		2	15.00	-	0.40	12.00	
	R-side	2	7.00	-	0.40	5.60	
	Rate 993:22					337.60M	335311:00

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work
1	2
(15)	Precast Slab 2 Steel reinforcemen receive mixed Co thick well compa over all measuri 2nd crack. C. side.

OOK

Depth 6	Contents 7	Reference to last Measurement 8
0.40	24.00	
0.40	24.00	
0.40	10.80	
0.40	12.80	
0.40	24.00	
0.40	3.20	
0.40	18.00	
0.40	12.00	
0.40	5.60	
	337.60 M	335311 = 0

M. A. R. 57 (Rule 116)
Measurement Book

No. B 497416

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
(15)	Precast Slab 20mm and down size for Slab (including Steel reinforcement) including carrying and Shuttering machine mixed concrete laid in layers not exceeding 15mm thick well compacted curing all necessary labour complete as per Specification.						
	2nd crack. C. side.	1	30.00	0.90	-	27.00	
		1	2.60	0.90	-	2.34	
			30.00	0.90	-	27.00	

56.34

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents 5634	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	2.00	0.90	-	1.80	
		1	30.00	0.90	-	27.00	
		1	2.30	0.90	-	2.07	
	C&F.C.	1	30.00	0.90	-	27.00	
		1	0.50	0.90	-	0.45	
		1	30.00	0.90	-	27.00	
		1	1.80	0.90	-	1.62	
	R.side.	1	30.00	0.90	-	27.00	
		1	3.00	0.90	-	2.70	
		1	30.00	0.90	-	27.00	
		1	30.00	0.90	-	27.00	
						226.90	

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	C&F.C.
	1st Main Balance C.side.

BOOK

Breadth 5	Depth 6	Contents 7 (5634)	Reference to last Measurement 8
0.90	-	1.80	
0.90	-	27.00	
0.90	-	2.07	
0.90	-	27.00	
0.90	-	0.45	
0.90	-	27.00	
0.90	-	1.62	
0.90	-	27.00	
0.90	-	2.70	
0.90	-	27.00	
0.90	-	27.00	
		226.90	

M. A. R. 57 (Rule 116)

Measurement Book

No. B 497417

Serial No. ....

Name of Work .... From............................ To............................

Name of Contractor of nature of Agency ....

Date of commencement of work ....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7 (22698)	Reference to last Measurement 8
		1	2.40	0.90	-	2.16	
		1	30.00	0.90	-	27.00	
		1	30.00	0.90	-	27.00	
	Ist Main Balance C. side.						
		1	13.50	1.20	-	16.20	
		1	16.00	1.20	-	19.20	
		1	30.00	1.20	-	36.00	
		1	4.00	1.20	-	4.80	
		1	22.50	1.20	-	27.00	
						391.14	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth	391.14	
1	2	3	4	5	6	7	8
		1	15.00	1.20	-	18.00	
	I st Main R.side.	1	7.00	1.20	-	8.40	
	I st Main I st cross L.side	1	30.00	0.90	-	27.00	
		1	30.00	0.90	-	27.00	
		1	30.00	0.90	-	27.00	
	R.side	1	30.00	0.90	-	27.00	
		1	30.00	0.90	-	27.00	
		1	30.00	0.90	-	27.00	
		1	29.00	0.90	-	26.10	
	2 nd Main I st cross L.side -	1	30.00	0.90	-	27.00	
		1	30.00	0.90	-	27.00	
						627.61	

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	N
1	2	
	R.side.	
	Rate. 1856:67	
(16)	Lead for Disposal of Grases by Mechanical Rate. 73:12 Obs	

BOOK

ns		Contents	Reference to last Measurement
eadth 5	Depth 6	391.14 7	8
.20	-	18.00	
20	-	8.40	
.90	-	27.00	
.90	-	27.00	
90	-	27.00	
90	-	27.00	
90	-	27.00	
.90	-	26.10	
.90	-	27.00	
.90	-	27.00	
		627.81	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

497418

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 627.81 7	Reference to last Measurement 8
	R. side.	1	30.00	0.90	-	27.00	
		1	30.00	0.90	-	27.00	
		1	30.00	0.90	-	27.00	
		1	29.10	0.90	-	26.19	
	Rate. 1856:67					735.00 m^2	1364652:45
(16)	Lead for Disposal of debris shall be payable as carried by mechanical means including loading & unloading 0.00 to 2.0 km Rate. 73:12 As per side item no. (1) and (2) (59.08 + 294.63)					353.71 m^3	25863:27

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
(17)	Providing and fixing pre-cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively 400 mm high and 400 mm in length finished with CM 1:3 plastered as finishing including form work curing including cost 2 materials etc. complete as per specification.						
	Ist Main Balance	1	13.00	-	-	13.00	
		1	16.00	-	-	16.00	
		1	30.00	-	-	30.00	
		1	4.00	-	-	4.00	

Serial No. ....

Name of Work ....

Name of Contractor of nature of Agency ..

Date of commencement of work ....

Date 1	Full description, etc, of work 2
	Rate. 331:78
(18)	Applying primi... wood based su...

OOK

Depth 6	Contents 7	Reference to last Measurement 8
	... Solid Cement Concrete ... 2:4 ... [illegible] ... and ... CM 1:3 plastered ... curing including ... specification.	
-	13.00	
-	16.00	
-	30.00	
-	4.00	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 497419

Serial No. ....
Name of Work .... From.............................. To..............................
Name of Contractor of nature of Agency ....
Date of commencement of work ....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
		1	22.00	-	-	22.00	
		1	15.00	-	-	15.00	
		1	7.00	-	-	7.00	
						108.00 Mtr	
	Rate - 331:78	[signature]		108.00 / 0.45	:	240 No.s	79627:20
(18)	Applying priming coat over new wood surface and or wood based surface preparing the surface after thoroughly						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Cleaning oil grease dirt and foreign matter Sand Papering and brushing ready mix Paint including cost & necessary labour complete as per Specification						
	I st Main Balance C. Side.						
		1	13.00	-	0.30	4.05	
		1	16.00	-	0.30	4.80	
		1	30.00	-	0.30	9.00	
		1	4.00	-	0.30	1.20	
		1	22.50	-	0.30	6.75	
		1	15.00	-	0.30	4.80	
		1	7.00	-	0.30	2.10	
						32.40M	1408 = 16
	Rate. 43:46						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work
1	2
(19)	Providing and a priming (coat) ov surface with enam the surface & all including cost & I st Main Balance C. Side.

BOOK

ons		Contents	Reference to last Measurement
readth 5	Depth 6	7	8
nd	Sometin master Sand		
y mix	Paint including		
ompose	as per Specification		
1	0.30	4.05	
1	0.30	4.80	
1	0.30	9.00	
1	0.30	1.20	
1	0.30	6.75	
1	0.30	4.80	
1	0.30	2.10	
		32.40M	1408 = 10

M. A. R. 57 (Rule 116)
Measurement Book

No. B

497420

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
(19)	Providing and applying painting two coats (excluding priming coat) on new wood surface and or wood based surface with enamel paint to give an even shade cleaning the surface & allowing dust and Sometin master Sand Putting including cost & materials etc. complete.						
	1st Main Balance C. Side.						
		1	13.00	-	0.30	4.05	
		1	16.00	-	0.30	4.80	
		1	30.00	-	0.30	9.00	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	C & FC 16/12/2019	1	4.00	-	0.30	1.20	
		1	22.50	-	0.30	6.75	
		1	15.00	-	0.30	4.50	
	Rate · 89.04	1	7.00	-	0.30	2.10	
						32.40 M²	2884.89
	Total. 3657413-00 Add 9% KRIDL. 292593-00 -do- 1%. 36574-00 G-Total Rs: 39,86,580-00			Total	Rs.		~~3659229.00~~
		Add	8% KRIDL	Charges	Rs.		~~292738.00~~
		Add	1% Cabour	cess	Rs.		~~36592.00~~
				Total	Rs.		~~3988559.00~~

Serial No. ....

Name of Work ....

Name of Contractor of nature of Agency ....

Date of commencement of work ....

Date	Full description, etc, of work
1	2
-	Certificate. (1) (2)

Contents 7	Reference to last Measurement 8
1.20 6.75 4.30 2.10 32.40 M2	2884.89
Rs.	3659229 : 00
Rs.	292738 : 00
Rs.	36592 : 00
Rs.	3988559 : 0

M. A. R. 57 (Rule 116)
Measurement Book

No. B

497421

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Certificate. (1) Certified that the work done satisfactory (2) Rebate Amount has not been claimed in any of previous bill.						

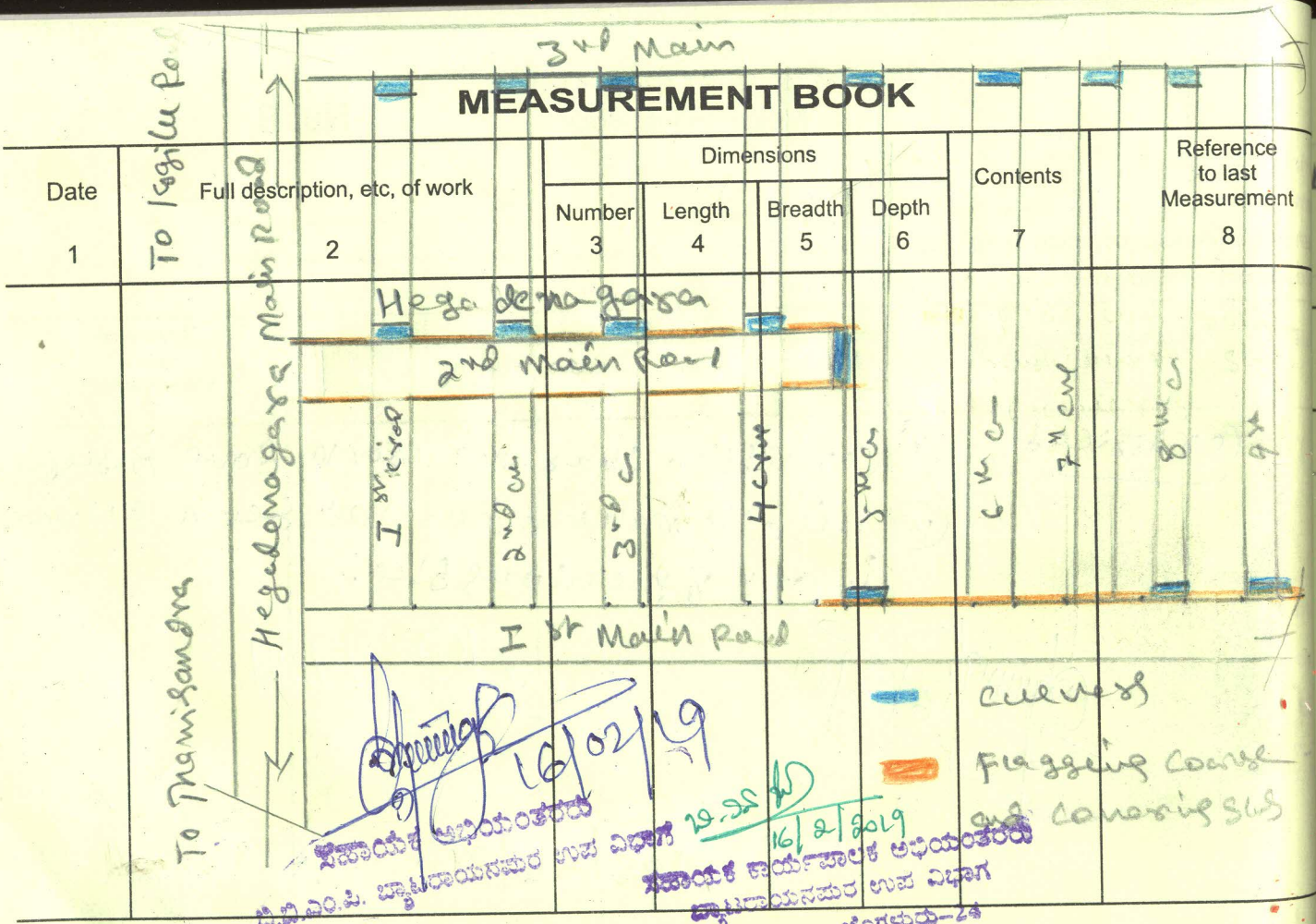
16/2/19
ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

16/2/2019
ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-26

Assistant Executive Engineer
Byatarayanapura Sub-Division
KRIDL, BBMP, Bangalore

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8



16/02/19

ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

16/2/2019

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-26

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

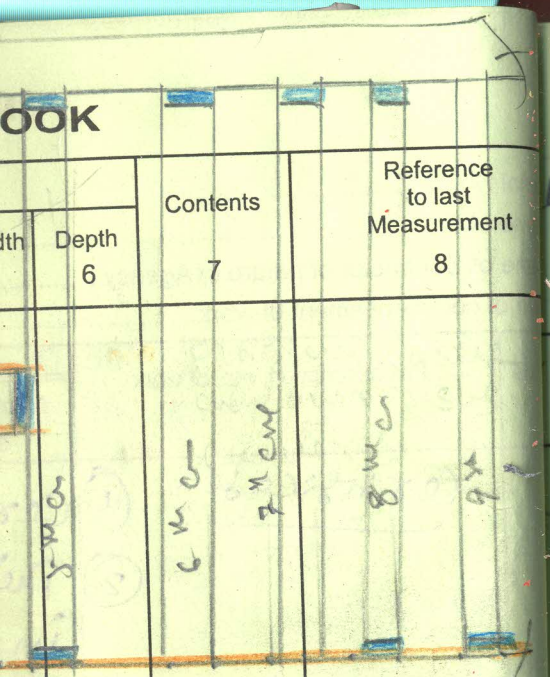
Date	Full description, etc, of work
1	2

ಬಿಲ್ಲು ಮೊಬಲಗು ರೂ
ಗಳನ್ನು ಪಾವತಿ ಮಾಡಿದೆ : ಇದರಲ್ಲಿ ರೂ
ಹೊಣಗಾರಿಕೆ ಮುಂತಾಗಿ ಕೊಂಡು ಉಳಿದ ಮೊ
Rs: Thirty five Lakh
ಚೆಕ್ ಮುಖಾಂತರ ನೀಡಲಾಗಿದೆ

ಲೆಕ್ಕಾಧಿಕಾರಿ
ಬಾ.ಬ.ಪಾ.ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ.
30/03

OOK

dth	Depth 6	Contents 7	Reference to last Measurement 8



Curves

Flagging Coarse and Coarse Silt

2/2019

ಪಾಲಕ ಅಭಿಯಂತರರು
ಸೇತುವೆ ಉಪ ವಿಭಾಗ
ಬೆಂಗಳೂರು-26

M. A. R. 57 (Rule 116)
Measurement Book

497422

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Co	Reference to last easurement 8
	ಬಿಲ್ಲು ಪೂಬಲಗು ರೂ	39,86,580-00					
	ಗಳಿಗೆ ಹಾಸ್ಪು ಮಾಡಿದೆ : ಇದರಲ್ಲಿ ರೂ	4,81,425-00					
	ಹೊಂದಾಣಿಕೆ ಮಾಡಿಕೊಂಡು ಉಳಿದ ಪೂಬಲಗು	35,05,155-00					
	Rs: Thirty five Lakh five Hundred and one hundred only						
	ಮೊತ್ತಕ್ಕೆ ಮುಖ್ಯಾಂತರ ನೀಡಲಾಗಿದೆ						
	ಲೆಕ್ಕಿಧೀಕ್ಷಕರು 30/3 ಚಾಲಕಾಮಿಕಪುರ ವಿಭಾಗ ಬೃ. ಬೆ. ಮ. ಪಾ 30/3/03.	ಕಾ. ಪಾ. ಅ. 30/3 ವ್ಯಾಪಾರಾಯನಪುರ ವಿಭಾಗ ಬೃ. ಬೆ. ಮ. ಪಾ					

Total Rs: 39,86,580-00
IT - 79732-00
Cess - 39866-00
CBF - 3987-00
LR - 67773-00
FSD - 199329-00
Fine - 19950-00
CGST - 35594-00
SGST - 35594-00

Advc - 4,81,425-00
Claim: 35,05,155-00